

Converting Colors

$Y_{xy}(23.1548, 0.5809, 0.3770)$

Have a look what the booklet for
Yxy(23.1548, 0.5809, 0.3770)
contains.

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Color

Yxy(22.9987, 0.5812, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	E55400
RGB	229, 84, 0
RGB Percent	90%, 33%, 0%
CMY	0.1020, 0.6706, 0.9998
CMYK	0.00, 0.63, 1.00, 0.10
HSL	22°, 100%, 45%
HSV	22°, 100%, 90%
XYZ	35.4841, 22.9987, 2.5703
YIQ	117.7790, 113.3840, 4.6160

Conversions

Conversions Part 2

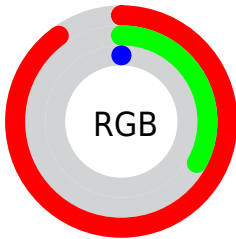
Format	Color
R_{YB}	229, 133, 0
Decimal	15029248
CIE _{Lab}	55.07, 53.69, 65.16
CIE _{LCh}	55, 84.430, 50.516
Yxy	22.9987, 0.5812, 0.3767
Android (android.graphics.Color)	4293219328 (0xFFE55400)
YUV	117.7790, -58.0650, 97.5408
Hunter-Lab	47.9570, 48.1501, 30.3921

Details

The Yxy color **22.9987, 0.5812, 0.3767** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **25.9222, 0.1896, 0.2024**, and the grayscale version is **18.2055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0841, 0.5077, 0.3961**, and **8.6121, 0.6263, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **22.9948, 0.5812, 0.3767**, and if you desaturate by 10%, it is **25.5509, 0.5569, 0.3858**.

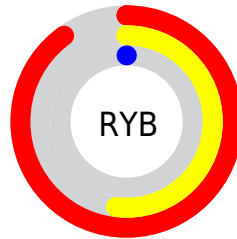
Distribution



Red (90%)

Green (33%)

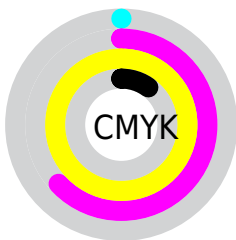
Blue (0%)



Red (90%)

Yellow (52%)

Blue (0%)

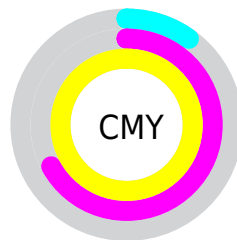


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9987, 0.5812, 0.3767 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 22.9987, 0.5812, 0.3767 by changing the saturation by 10% instead.


 22.9987, 0.5812,
0.3767


 22.9987, 0.5812,
0.3767

267.7183, 0.4440,
0.3736


 14.5925, 0.6101,
0.3678


 48.3912, 0.5341,
0.3825


 8.5339, 0.6466,
0.3534

 66.1463, 0.5153,
0.3825


 4.4385, 0.6778,
0.3222

 87.7866, 0.4990,
0.3817


 1.9217, 0.7232,
0.2768

 113.6963, 0.4849,
0.3803

 0.5614, 0.8034,
0.1966

 144.2600, 0.4727,
0.3787

 0.0000, 1.0000,
0.0000


 179.8619, 0.4619,


 0.0000, 0.0000,


0.3770

0.0000

 220.8866, 0.4524,
0.3753


 22.9987, 0.5812,
0.3767


 22.9987, 0.5812,
0.3767

 22.9948, 0.5812,
0.3767

 25.5509, 0.5569,
0.3858

 28.6673, 0.5271,
0.3903

 32.3969, 0.4937,
0.3898

 36.7761, 0.4597,
0.3850

 41.8377, 0.4272,
0.3774

■ 47.6119, 0.3976,
0.3681

■ 54.1269, 0.3714,
0.3580

■ 61.4093, 0.3487,
0.3479

■ 69.4842, 0.3293,
0.3382

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.9987, 0.5620, 0.2969



22.9987, 0.5812, 0.3767



22.9987, 0.5119, 0.4714

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.9987, 0.5812, 0.3767



22.9987, 0.1726, 0.4705



22.9987, 0.1765, 0.1408

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.9987, 0.5812, 0.3767



25.9222, 0.1896, 0.2024

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.9987, 0.1183, 0.1431



22.9987, 0.5812, 0.3767



22.9987, 0.1118, 0.2881

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.9987, 0.5812, 0.3767



22.9987, 0.2799, 0.6035



22.9987, 0.0979, 0.1836



22.9987, 0.2857, 0.1685

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.9987, 0.5812, 0.3767



22.9987, 0.4400, 0.5404



22.9987, 0.0979, 0.1836



22.9987, 0.1521, 0.1381

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.0000, 0.5812, 0.3767



68.9036, 0.3719, 0.3582



18.7052, 0.4425, 0.2212



13.9700, 0.3826, 0.3625



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.0000, 0.5812, 0.3767



29.1782, 0.5823, 0.3759



57.2636, 0.4453, 0.4846



15.2291, 0.3283, 0.3377



13.3574, 0.5784, 0.3789



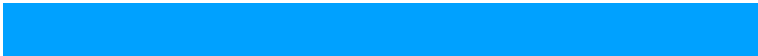
1.1595, 0.5508, 0.4009

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.9222, 0.1896, 0.2024



32.8819, 0.1893, 0.2016



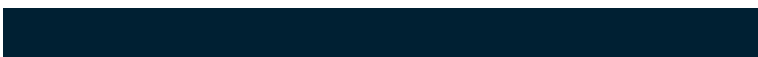
6.6156, 0.1525, 0.0690



15.4011, 0.2981, 0.3202



15.0546, 0.1902, 0.2045



1.2882, 0.1958, 0.2247

Previews

White Background



This preview shows how the Yxy color 22.9987, 0.5812, 0.3767 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 22.9987, 0.5812, 0.3767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.9987, 0.5812, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 22.9987, 0.5812, 0.3767.



This preview shows how white text looks on a background with the Yxy color 22.9987, 0.5812, 0.3767.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.9987, 0.5812, 0.3767

Protanopia

23.2265, 0.4330, 0.4803

Deuteranopia

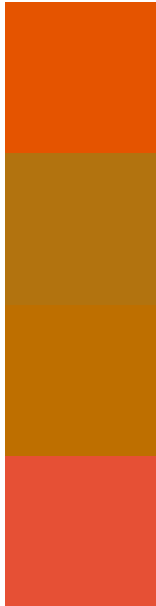
23.1372, 0.4701, 0.4649



Tritanopia

23.0622, 0.5247, 0.3249

Trichromacy



Original Color

22.9987, 0.5812, 0.3767

Protanomaly

21.7609, 0.4946, 0.4379

Deuteranomaly

22.3160, 0.5165, 0.4281

Tritanomaly

22.8174, 0.5575, 0.3520

Monochromacy



Original Color

22.9987, 0.5812, 0.3767

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0852, 0.4305, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9987, 0.5812, 0.3767 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(229, 84, 0)` looks like.

```
.text, #text, p{  
  color:rgb(229, 84, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(229, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 84, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.9987, 0.5812, 0.3767 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 84, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(229, 84, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(229, 84, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 84, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.9987, 0.5812, 0.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 84, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(229, 84,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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